

SPACU, G.; ANTONESCU, E.

A new gravimetric method for the determination of silver. p. 105.
(ANALELE. SERIA STIINTELOR NATURII. Rumania. Vol. 5, no. 11, 1956)

SO: Monthly List of East European Accessions (REAL) LC, Vol. 6, no. 7, July 1957. Uncl.

SPACU, G.; IANGU, C.

A new folumetric method for the determination of lead. p. 109.
(ANALELE. SERIA STIINTEIOR NATURII. Rumania. Vol. 5, no. 11, 1956)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

RUMANIA/Analysis of Inorganic Substances

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19549

G. Spacu, Th. Pirtea C. J. Parhon University. Inst

Title New Method of Quantitative Determination of Mercury in the Presence of Iron and Aluminum.

An. Univ. "C. J. Parhon". Ser. stiint. natur., Orig Fub:

1956, No 10. 35 - 38.

Abstract: Hg2+ ions are precipitated as (HgPy2)(Cr207) after Fe3+ and Al3+ have been combined in sulfo-salicylate complexes. Fe and Al are determined

in the filtrate, using a known method.

Card 1/1

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001652620020-7"

RUMANIA/Analysis of Inorganic Substances

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19595

Author Gh. Spacu, Constanta Gheorghiu

Inst C. Jarrhon University

Title New Method of Separating Cobalt from Tungsten

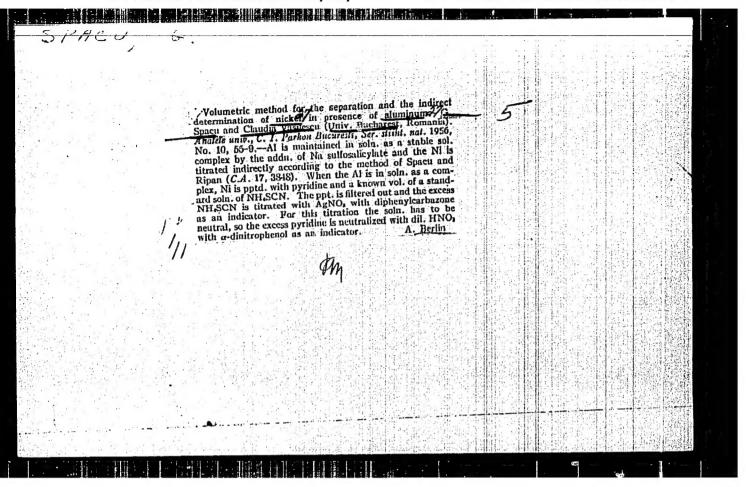
Orig Pub: An. Univ. "C. J. Parhon". Ser. Stiint. Natur.,

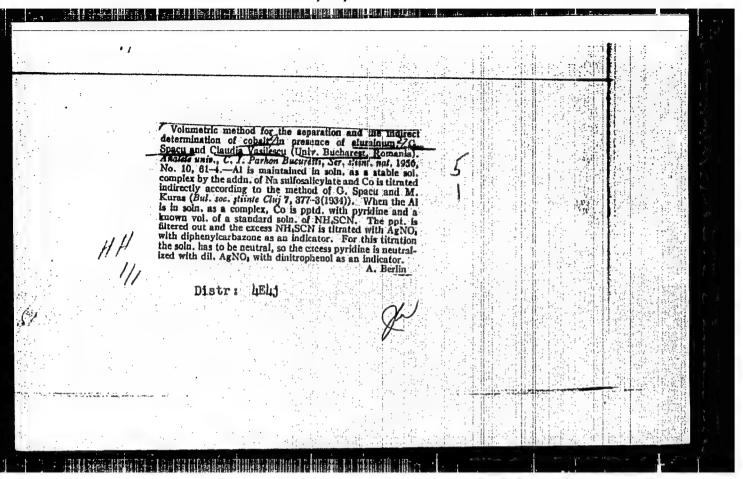
1956, No 10, 51 - 53.

Co is precipitated as $/\text{CoPy}_4(\text{SCN})_2$ from a tartrate containing solution; W is precipitated from the filtrate with cinchonine. The error is some Abstract: tenths of a milligram. The determination dura-

tion is 30 min,

Card 1/1





SPACE, E.

RULEHII /inclysis of Inorganic Substances

Abs. Jour: Ref Zhur Khimira Ho 5 1957; 19525

Author : G. Spacu, Cornelia Edneu Inst : C. J. Parhon University

Separation and Volumetric Determination of Title

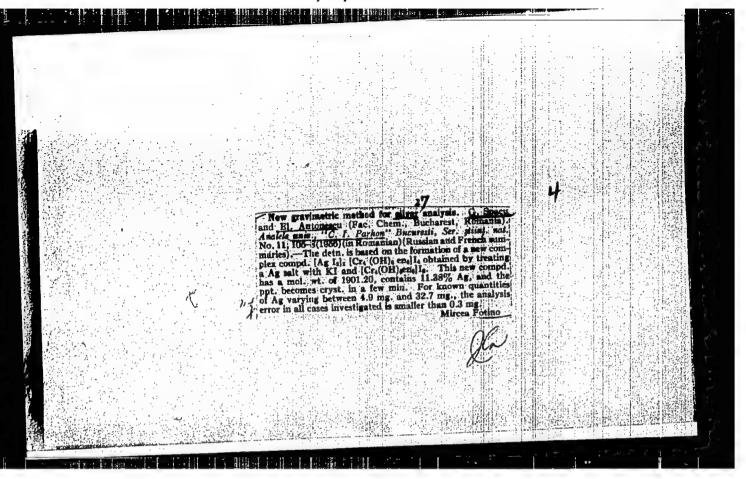
Copyer in the Presence of Iron and Aluminum

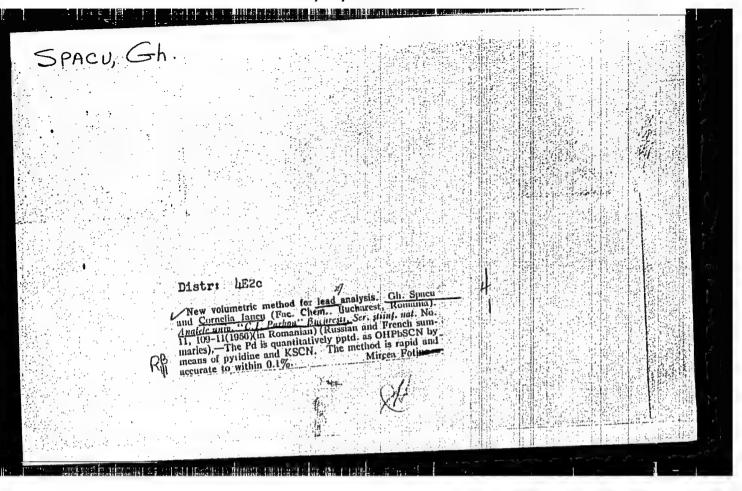
Orig Pub: An. Univ. "C. J Parhon". Ser. stifnt. natur., 1955, No. 10, 5 - 5%.

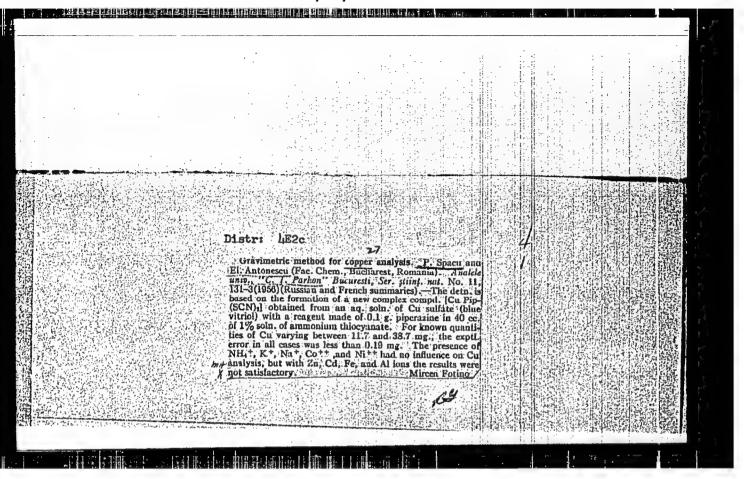
Cu is precipitated as /CuPra(SCH) 7 retaining Fe3+ in solution by adding NaF and retaining Al in solution 5; sulfoselicylic acid. Motract:

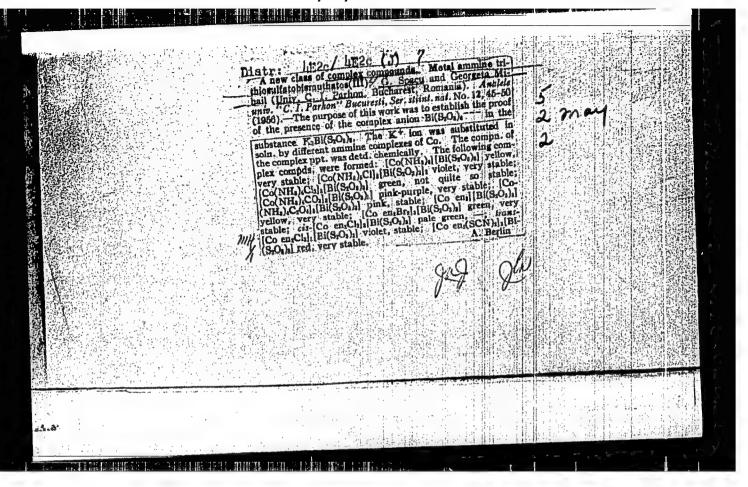
V. Sazanova

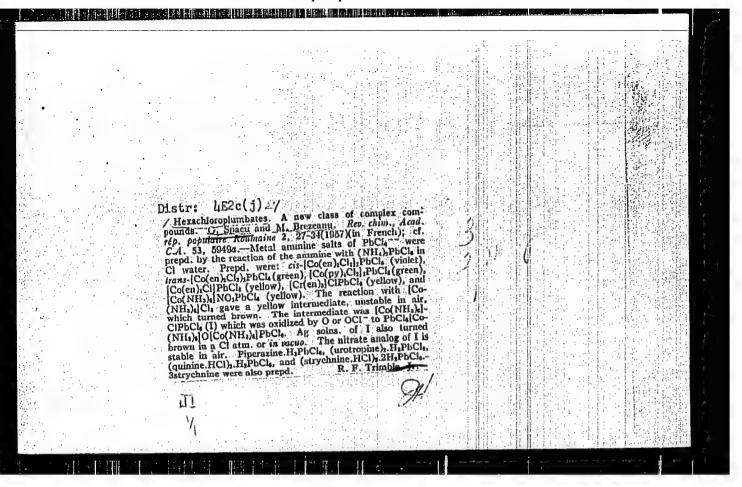
Card 1/1



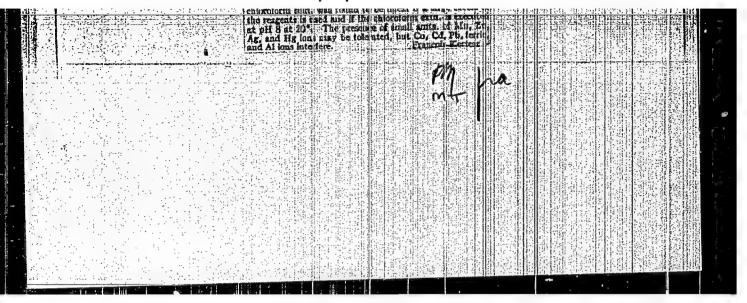


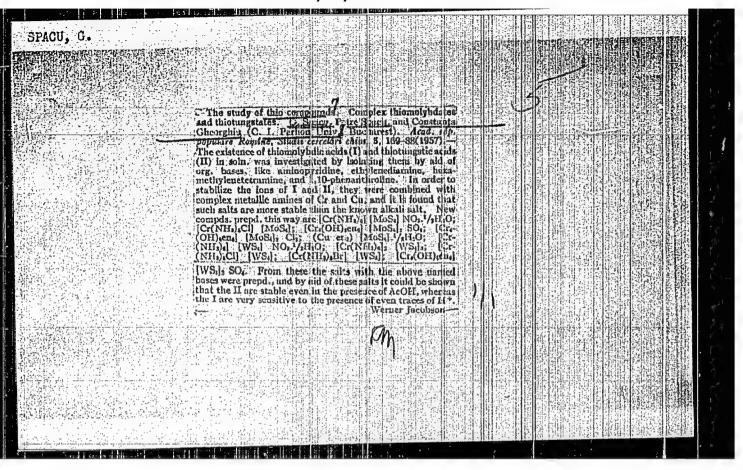




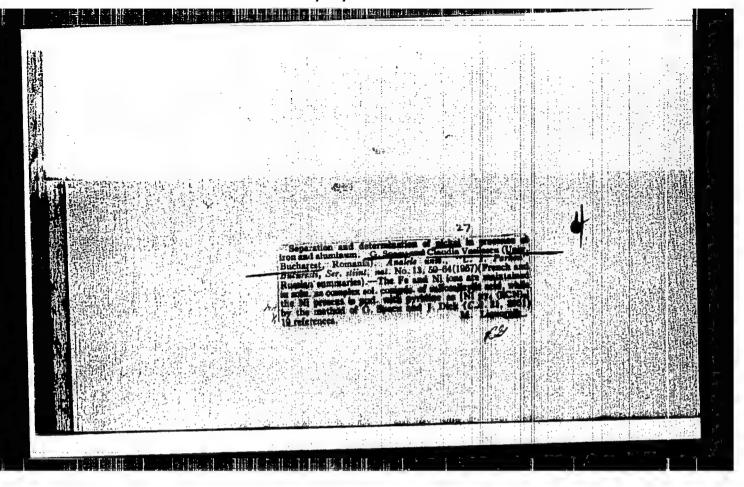




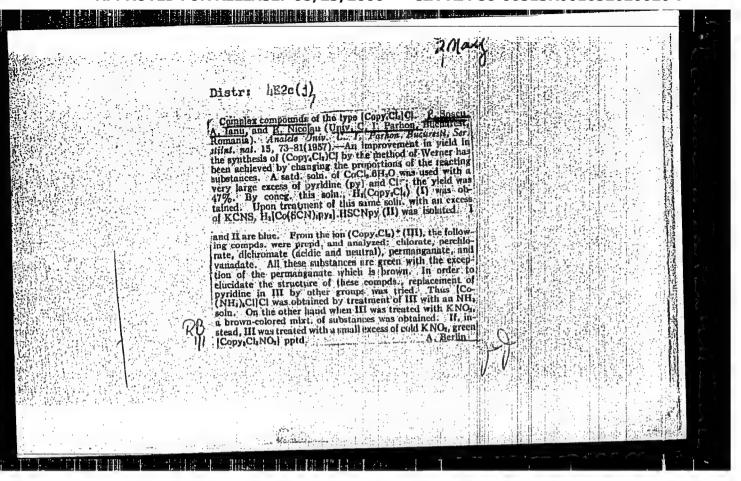


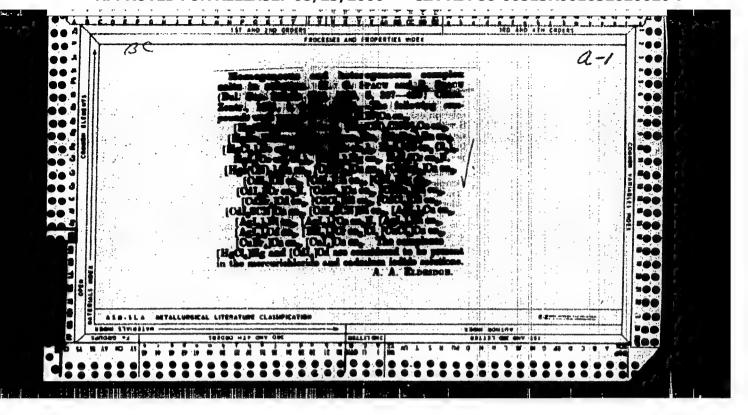


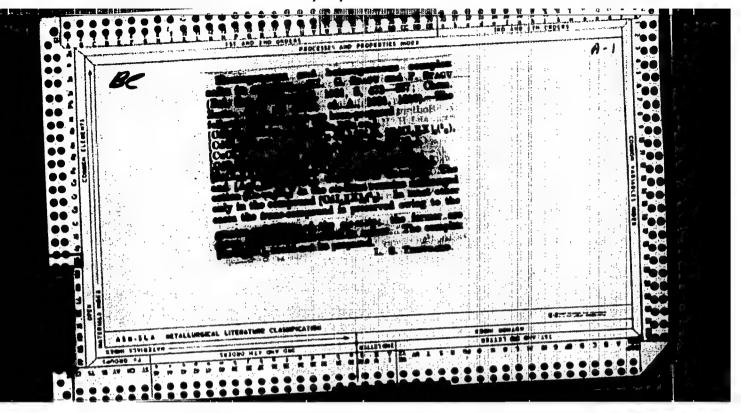
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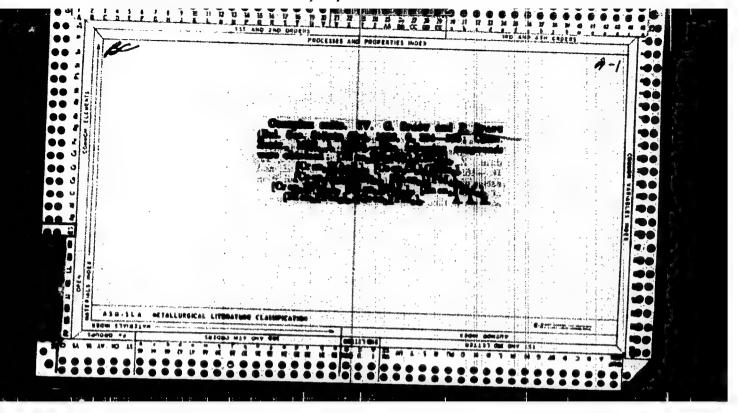
SPACU, RUMANIA/Inorganic Chemistry - Complex Compounds. : Ref Zhur - Khimiya, No 10, 1958, 31998 Abs Jour G. Spacu, P. Spacu, El. Radulescu Author "C.I. Parhon" University. Tnst A New Class of Complex Compounds. Complex Pyridazinerhodonites and Pyridazinehalides of Metals. Title An. Univ. "C.I. Parhon". Ser. stiint. natur., 1957, Orig Pub No 13, 65-74 $MPdz_2(SCN)_2$ (where M = Cu(2+), Cu(1), Co, Ni, Cd, FeAbstract and Zn) and CuPdz(SCN), as well as MPtzCl2 (where M = Cd, Hg, Cu and Mn) were prepared by adding pyridazine (Pdz) and NH_hSCN to aqueous solution of Cu(2+), Cu(1+), Co, Ni, Cd, Fe and Zn salts or the aqueous solution of Cd, Hg Cu and Mn halides. CdPdzBr2 and CdPdzI2 - CdI4 CdIdz2 (sic!). Card 1/1

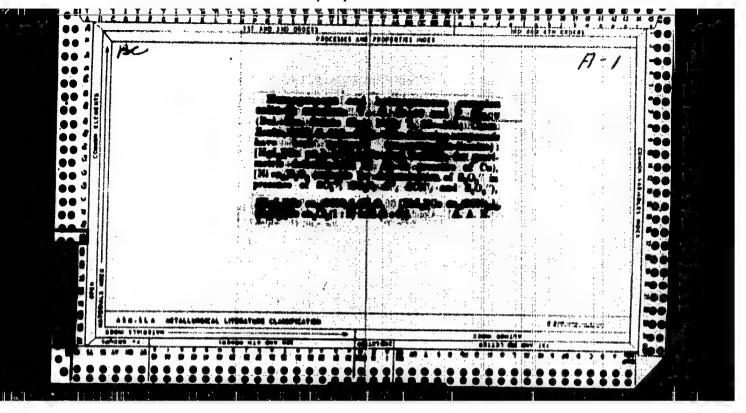




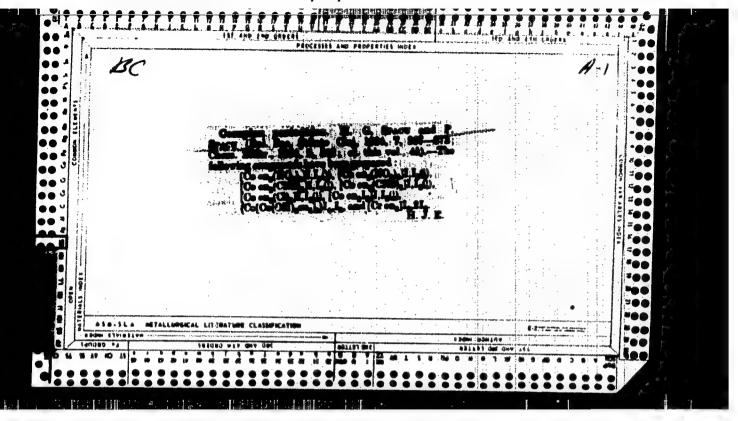


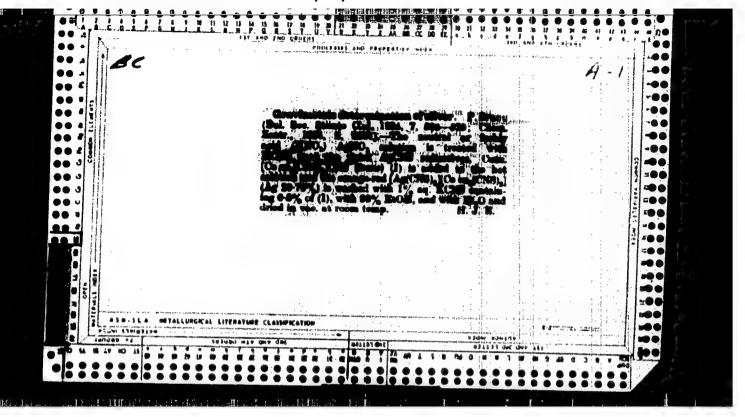
"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001652620020-7

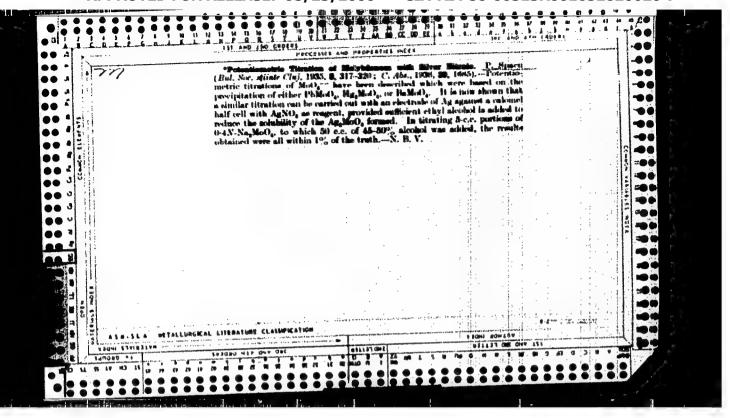


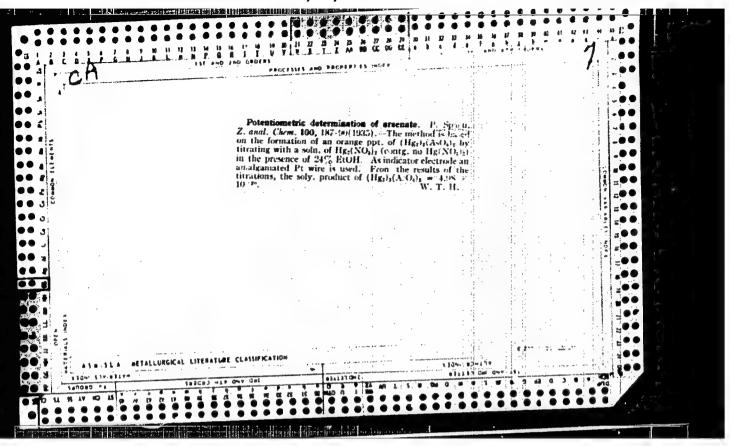


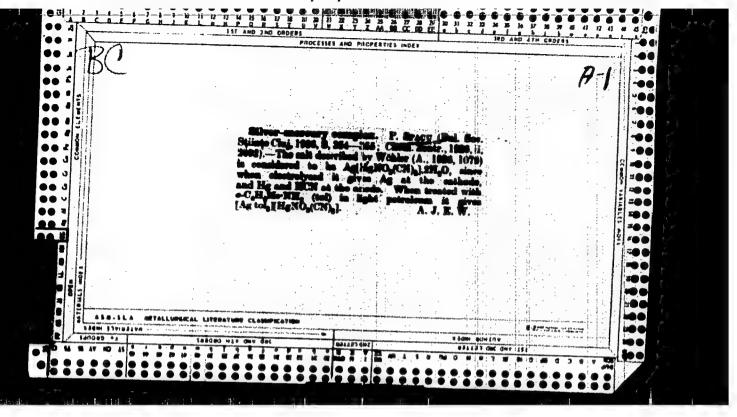
"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001652620020-7

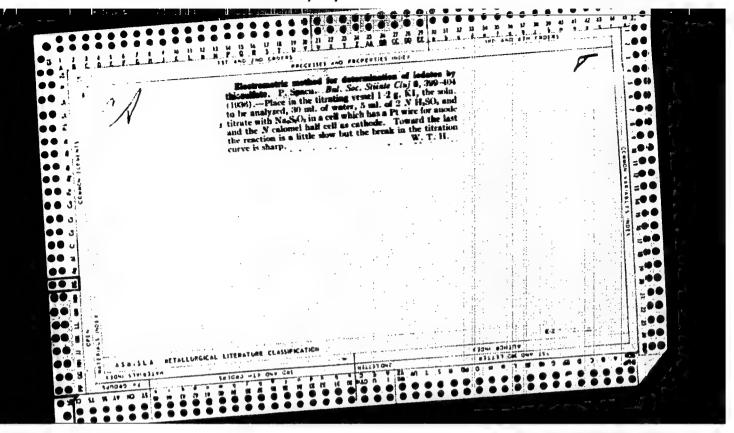


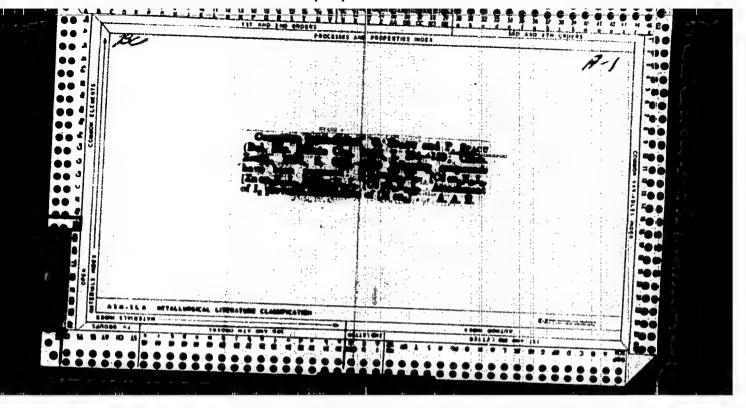


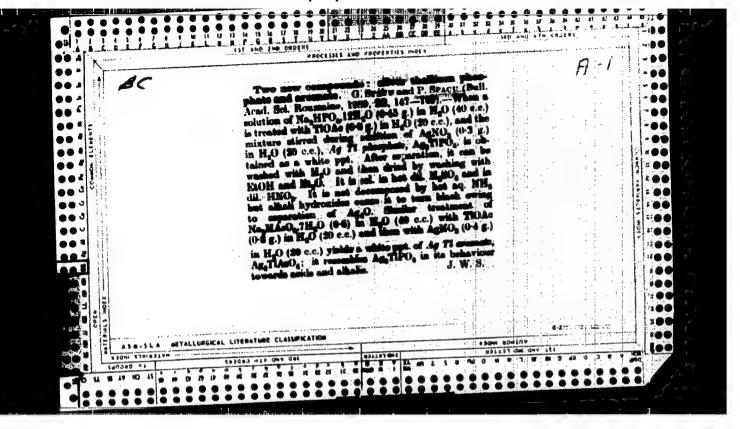


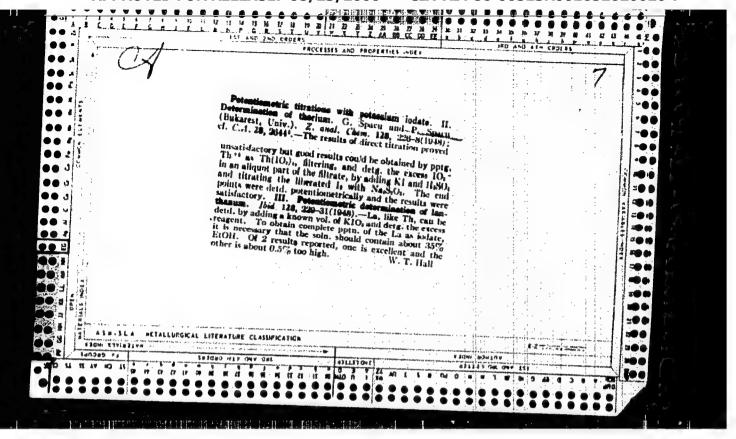


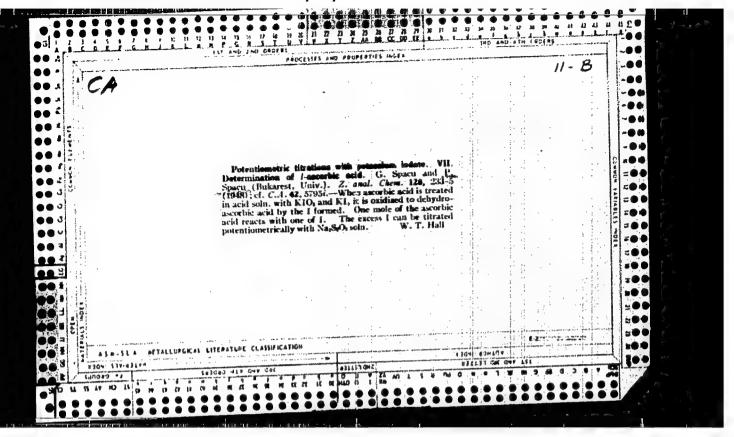


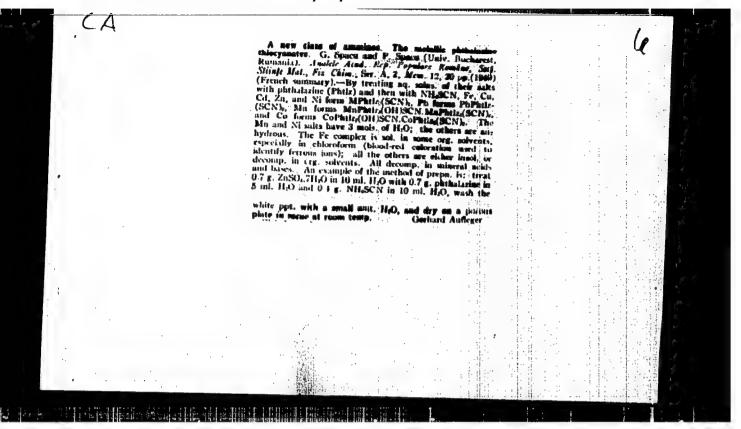


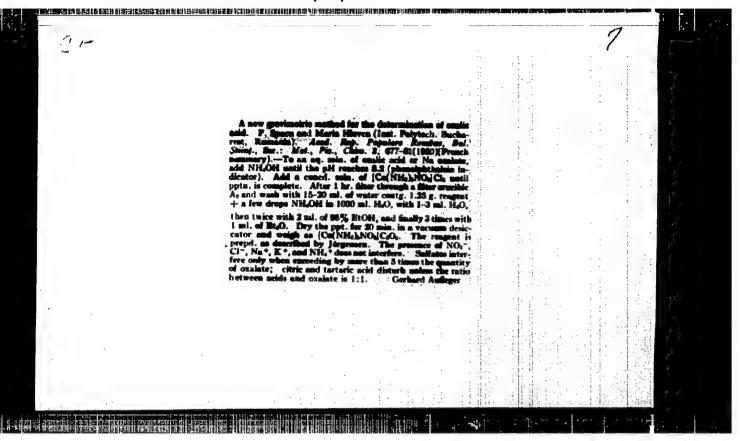


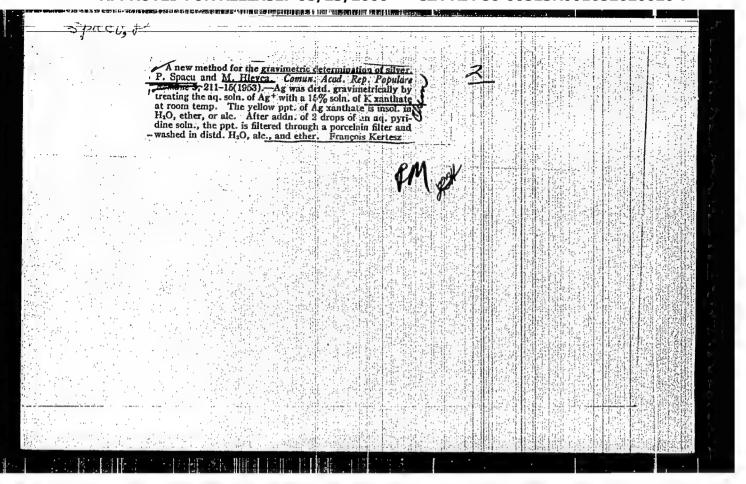


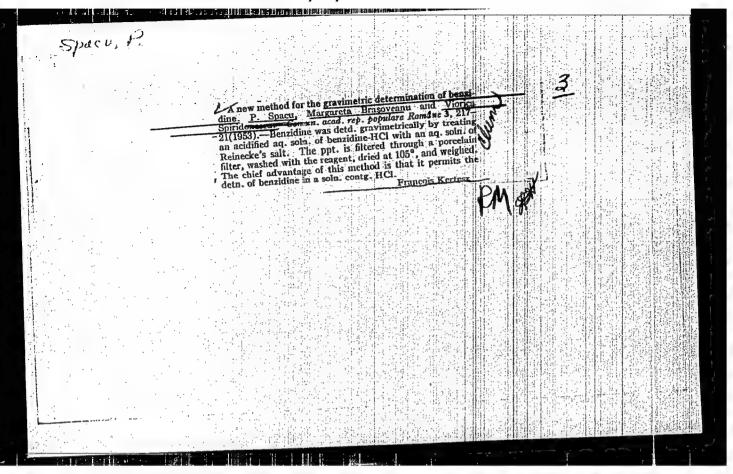


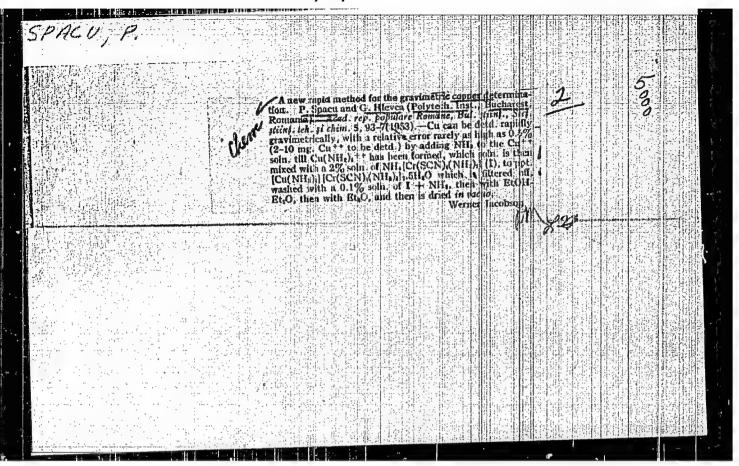












SPACE, P.

Mineral salts. Chemical Products and Their Application --Rumania/Chemical Technology. Oxides. Acids. Bases, I-5

Referat Zhur - Khimiya, No 2, 1957, 5021 Abst Journal:

Spacu, P., Voichescu, P., Ovanesian, A. Author:

Institution: None

Title: Products Obtained on Action of Chlorine on Some Silicates.

of Silicon Tetrachloride from Diatomite

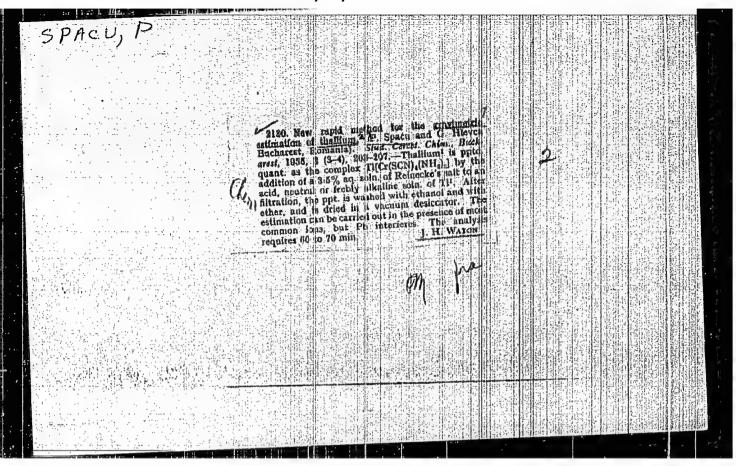
Original

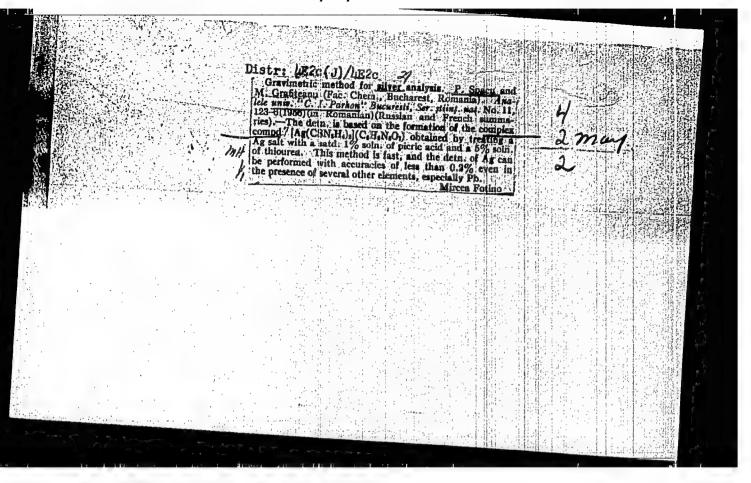
Publication: Studii si cercetari chim., 1955, 3, No 3-4, 195-201

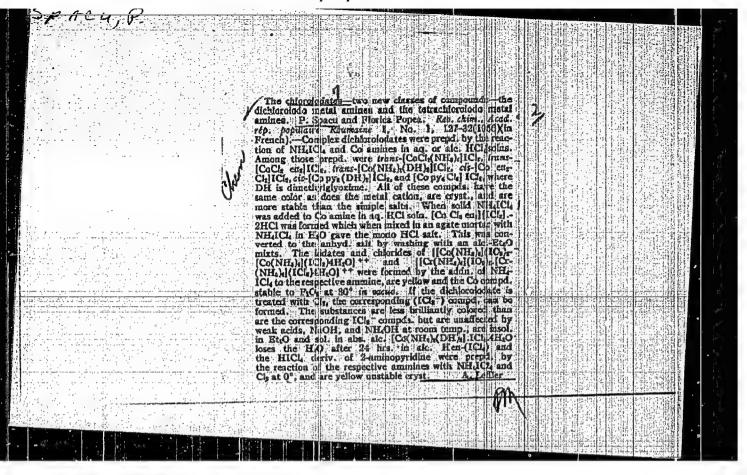
Abstract: SiCl4 was obtained by chlorination of diatomite (containing a small

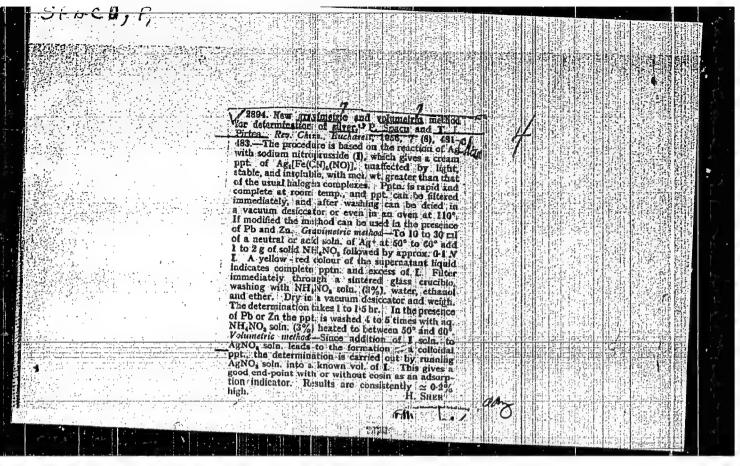
amount of Fe203) in the presence of coal as a reducing agent. The diatomite being porous has a large contact surface of active silica, which makes possible a ready reduction; the chlorination reaction takes place at a low temperature (730-750°). Bisulfite liquor is used as binder for the raw material. Yield of SiClh is 46-50%.

Card 1/1









SPACU, P. RUMANIA/Analytic Chemistry - Analysis of Organic Substances. Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 46480 Author P. Spacu, Gr. Teodoroscu Inst Bucharest Polytechnical Institute. Title Volumetric Method of Determination of Isonicotinic Acid Hydrazide. : Bul. Inst. politechn. Bucuresti, 1956, 18, No 1-2, 47-Orig Pub Abstract The method is based on the oxidation of the hydrazide of isomicotinic acid (I) with an excess of KIO₃ and the iodometric determination of KIO₃, which has not taken part in the reaction. 3 to 10 ml of I solution (0.015) to 0.05 g of I) and 2 to 5 ml of 0.1 M solution of KIO3 are mixed in a flask, diluted to 100-150 ml with water, Card 1/2 29

RUMANIA/Analytic Chemistry - Analysis of Organic Substances.

E-3

Abs Jour

Ref Zhur - Khimiya, No 14, 1958, 46480

and 0.5 g of KI is added to it. After the latter has dissolved, 15 to 30 ml of 0.2 n. NaOH solution is added, and 5 min. later 5 to 10 ml of 0.5 n. H₂SO_L is also added and the liquid is titrated with Na₂S₂O₃ solution. One mole of KIO₃ oxidizes 1.5 mole of 1. The accuracy of the method is \$0.4%.

Card 2/2

SPACU, P.

RUMANIA/Analytic Chemistry - Analysis of Organic Substances.

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E-3

Abs Jour

Ref Zhur - Khimiya, No 14, 1958, 46481

Author

: P. Spacu, Gr. Teodoroscu, D. Gavanescu

Inst

: Bucharest Polytechnical Institute.

Title

: New Volumetric Method of Determination of Isonicotinic

Acid Hydrazide.

Orig Pub

: Bul. Inst. politechn. Bucuresti, 1956, 18, No 1-2, 51-

54.

Abstract

: A new rapid and accurate method of volumetric determination of isonicotinic acid hydrazide (I) is proposed, it is based on hydrazide oxidation with chloramine T. 3 to 10 ml of I solution (0.015 to 0.05 g of I) and 10 to 20 ml of 0.1 chloramine T solution are mixed in a flask and diluted with water to 100 ml, after which 0.1

Card 1/2

30

SPACU, F?

RUMANIA/Analytical Chemistry. Analysis of Inorganic Substances. E-2

Abs Jour: Ref. Zhur.-Khimiya, 1958, No II, 35895.

Author : P. Spacu, A. Ovanesian, D. Gavanescu.

Inst : Not given.

Title : Volumetric Method of Determination of Cadmium.

Orig Pub: Bul. Inst. politehn., Bucuresti, 1956, 18, No 1-2, 55-58.

Abstract: A method is described, based on precipitation of Cd2+ in the form of CdC2O4 . 3H2O in a neutral medium and on a subsequent permanganatometric determination of the excess C2O4-. At a big excess of Na₂C₂O₄ () 10%) a complex compound CdNa₂ (C₂O₄)₂ soluble in water is formed. The presence of important quantities of ammonium and alkali salts in the solution contributes also to the solution of the deposit CdC₂O₄ . 3H₂O . O.1 n Na₂² C₂ O₄ is added to the analyzed solution containing O.1-O.2 g Cd diluted by water

Card : 1/2

RUMANIA/Analytical Chemistry. Analysis of Inorganic Substances.

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Abs Jour: Ref. Zhur.-Khimiya, 1958, No II, 35895.

up to 50 or 100 ml, mixed thoroughly, kept for 5-10 min. and filtreted. 25 ml of the obtained filtrate is diluted by water (50-60 ml), acidified by 20% $\rm H_2SO_4$ (5-6 ml) and the excess of $\rm Na_2C_2O_4$ is titrated back by 0.1 n. solution of $\rm KMnO_4$. The length of determination is \sim 20 min. The determination is hindred by Cl⁻.

Card : 2/2

11

RUMINIA/Chemical Technology. Chemical Products and Their H-1
Application. Pharmaceuticals. Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khin., No 2, 1959, 5755.

Author : Spacu. P.; Roboiu, F.; Brasovennu, M. Inst : Bucharest Polytechnical Institute.

Title : Gravinetric Method of Determination of Vitamin B

Orig Pub: Bul. Inst. politchm. Bucuresti, 1955, 18, No 3-4,

159-173.

Abstract: A rethod of Gravinetric determination of vitarin B

in its pure solutions is proposed: the vitamin is precipitated at 18° with an excess of the agueous solution of tetrathiocyanidediaminechrorate of amonium NHy/Cr(SCN)4-(NH), /H,0 in the medium of acetic acid (pH = 2.6); I hour later the rose-violet crystalline precipitate is separated

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with a filter crucible, washed with distilled water,

Cord : 1/2

SPACU /

RUMANTA/Chemical Technology. Pharmaceuticals. Vitamins.

Antibiotics.

Abs Jour: Ref Zhur-Khim., No 24, 1958, 82722.

Author: Spacu P., Brasoveanu M., Roboiu F.

Inst:
Title: A New Gravinetric Method for Determining
Acridine.

Orig Pub: Bul. Inst. politech. Ducuresti, 1956, 18, No 3-4, 175179.

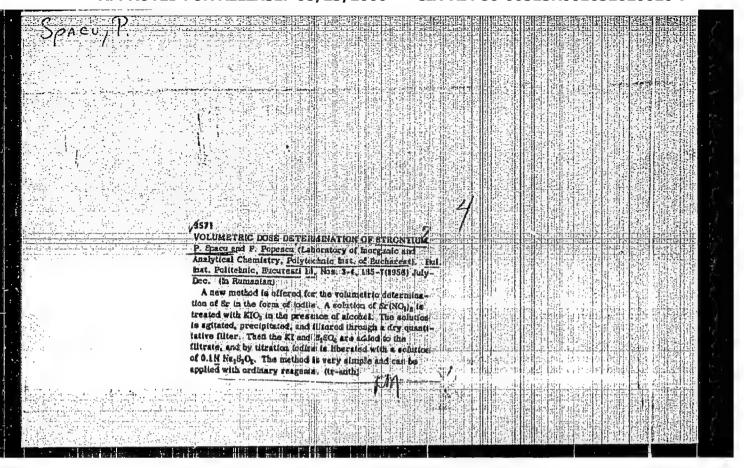
Abstract: By the reaction of a solution of acridine (I) with
a freshly prepared solution of NH, Reinecke salt
(II) in acetic acid redium, the yellow crystalline
precipitate / CR(NH3)2(CNS), /HC13H3N salt is forred,
which dissolves in alcohol and ether, and is sparingly

soluble in water. Ten nl of 0.4% solution of I, acidi-

Card : 1/2

26

SPACU, P. E-3 RUMANIA/Analytic Chemistry - Analysis of Organic Substances. Ref Zhur - Khimiya, No 14, 1958, 46485 Abs Jour : P. Spacu, V. Spiridonescu Author Bucharest Polytechnical Institute. Inst New Volumetric Method of Methionine Determination. Title Bul. Inst. politechn. Bucuresti, 1956, 18, No 3-4, 181-Orig Pub 184. Methionine (I) oxidizes quantitatively to CH₃CO.(CH₂)₂. Abstract •CHNH2•COOH sulfoxide interacting with KIO3 and KI in a hydrochloric acid medium at pH of 1 to 2. 1 mole of KIO3 corresponds to 3 moles of I. 1 ml of 0.1 M KIO3 solution, 2 ml of concentrated HCl, 0.5 of KI and I2, which has not reacted, are added to 5 or 10 ml of a Card 1/2



RUMANIA//nalytical Chemistry. Analysis of Inorganic Substances.

E-2

Abs Jour: Ref Zhur-Khin., No 13, 1958, 43014.

Author : Spacu P., Teodorescu Gr.

Inst : Bucharest Polytechnic Institute.

Title : New Method of Quantitative Separation of Iron and

Zinc.

Orig Pub: Bul. Inst. politehn. Bucuresti, 1956, 18, No 3-4, 189-191.

Abstract: It was found that on addition of pyridine to a neutral or weakly acidic solution containing Fe³⁺ and Zn⁴⁺, Fe³⁺ is completely precipitated as Fe(OH)3, while Zn remains in solution in the form of Zn(C,H,N), 2+. Fe³⁺ is first oxidized to Fe³⁺. On twice-performed precipitation the precipitate of Fe(OH)3 is completely freed from traces of Zn³⁺. To 150-200 ml of the solu-

Card : 1/2

SPACU, P.

RUMANIA/Analytical Chemistry. Analysis of Inorganic Substances

Abs Jour: Ref. Zhur-Khimiya, 1958, No II, 35880.

Author ; P. Spacu, A. Ovanesian, D.Gavanescu.

: Chloramine T Analytical 'pplication. I. The Determination Tnst

Title of Zinc and Magnesium.

Orig Pub: Bul. Inst. politehn. Bucuresti, 1956, 18, No 3-4, 193-197

Abstract: The solution of chloramine T (I) is applied for the volumetric determination of 8-hydroxyquinoline (II) instead of KBt03 + KBr solution and, hence, for an indirect de-

termination of cations, deposited quantitatively in the form of complexes (C9H6ON)2M . 5,7 dichlorhydroxyquinoline is formed in presence of HCl by interaction of I and II (2 moles I - I mole II). In order to determine Zn2, the

solution to be analyzed containing ~ 0.04 g Zn is diluted

: 1/2 Card

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SpACU, P.

RUMANIA/Inorganic Chemistry - Complex Compounds.

Abs Jour: Referat Zhur - Khim, No. 9, 1959, 30759

: Spacu, P. Gheorghiu, C., Brezeanu, M. Popescu, S.

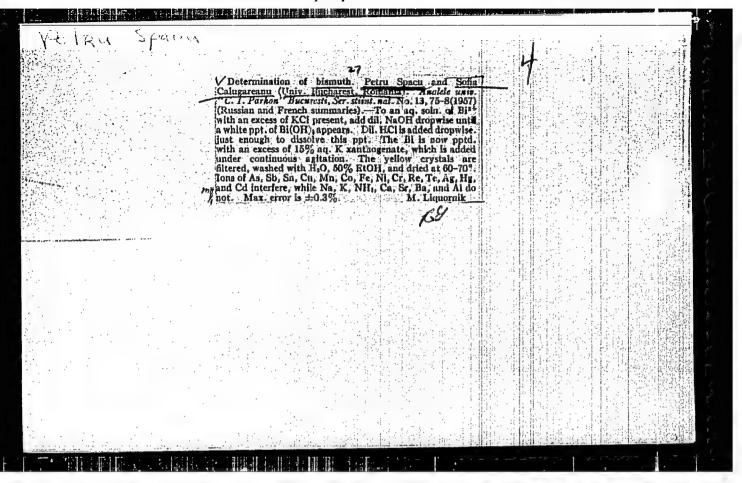
Syntheses of Complex Compounds. I. Complex Compounds of Trivalent Cobalt Title

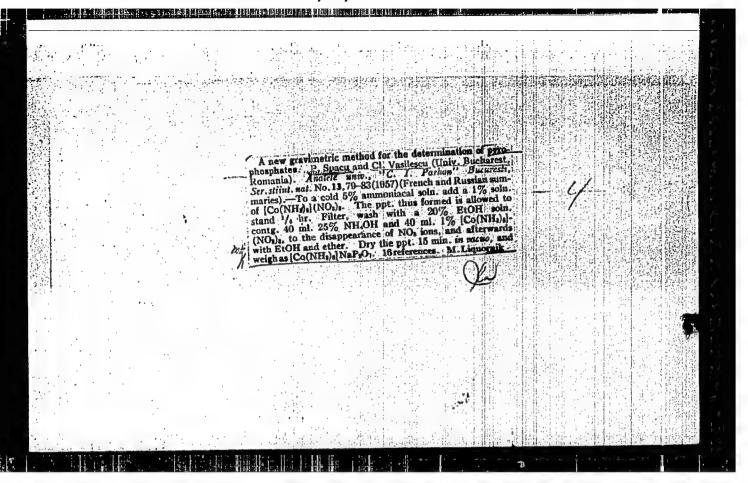
Orig Pub: Studii si Cercetari Chem, 1957, No 3, 517-528

Abstract: No abstract

Card 1/1

CIA-RDP86-00513R001652620020-7" APPROVED FOR RELEASE: 08/23/2000





RUMANIA/Inorganic Chemistry. Complex Compounds. Abs Jour: Ref Zhur-Khim., No 13, 1958, 42832. Author : Space Petre Brezeanu M. : "C. I. Parhon" University. Inst : Hexachloroplumbates. Communication IIIa. New Class Title of Complex Compounds: Hexachloroplumbatammines: Orig Pub: An: Univ. "C:I. Parhon". Ser. stiint. natur., 1957, No 14, 55-75-Abstract: On addition of (NH_L): PbCl_C (I) to a solution of (Co(NH_C)) Cl in chlorine water, there are formed yellow crystals of probably composition / FbCl .] / Co(NH;)/ J Cl, which change very rapidly into a dark-brown substance [PbCl/]/Co(NH;)/ J-O-/ Co(NH;)//PbCl/ J (II). In dilute solutions, due to hydrolysis, there is formed the yellow Card : 1/4

RUMANIA/Inorganic Chemistry. Complex Compounds.

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Abs Jour: Ref Zhur-Khim., No 13, 1958, 42832.

yield complex compounds containing Pb(2±). Yellow compounds of the composition / Co(NH.) / PbCl./ X . nH.O, wherein X -- NO., ClC., NO., 1/2 SO., are obtained on addition of I to dilute solutions of luteo-salts of exygen-containing acids. By the action of concentrated HCl all these yellow compounds are converted to the purple form IV. If solutions of I and Co(NH.) / Cl.; are mixed and a concentrated solution of KNO. is added, without filtering off II, there is obtained the yellow Co(NH.) / PbCl./ NO.3H.O. This confirms the fact that valency of Pb remains equal to 4. Over PtO. the purple dedecaminodiol-chronic salt loses 1 molecule of water, and the color changes to dark-brown, which evidences a conversion of the diol to an oxo-

Card : 3/4

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42832.

Card : 4/4

3

RUMANIA/Analytical Chemistry - Analysis of Organic Substances

E-

Abs Jour : Ref Zhur - Khimiya, No 4, 1958, No 11056

Author : Petre Spacu, M. Gafiteanu Inst : "C.I. Parhon" University

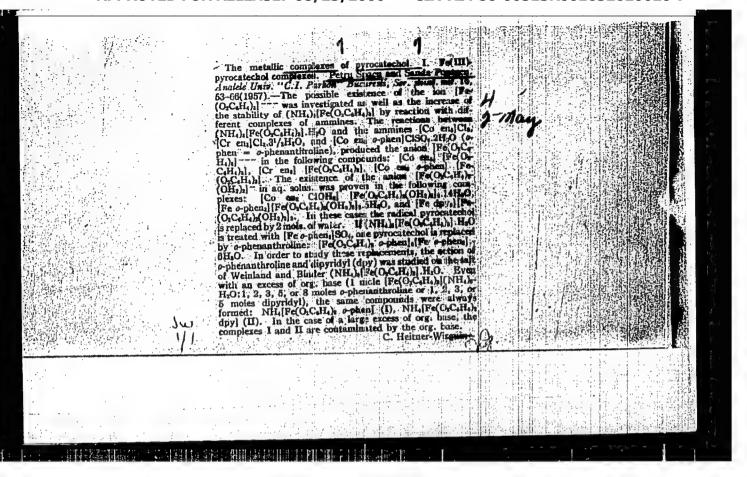
RUMANIA/Analytical Chemistry - Analysis of Inorganic Substances. E-2

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24742

(30 ml 0.1 N solution) and Cd²⁺(5 ml 0.1 N solution) 0.8-1 g Complexon III are added to the solution being titrated in order to mask these ions. NO₃, Ch₂COO₃, SO₄ do not interfere. Determination error does not exceed 2%.

Card 2/2

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RUMINE / Chemical Technology Chemical Products and Their

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Applications. Pharmecuticals. Vitarins.

intibiotics.

Abs Jour: Ref Zhur-Khim., No 8, 1959, 28574.

Author : Spacu, P., Radulescu, E., and Iancu, C.

Inst : C. J. Parhon University

Title : Determination of Quinine and Cinchonine by the Gravinetric

Method with the Use of Reinecke Salt.

Orig Pub: An Univ C. J. Parhon, Ser Stiint Natur, No 16, 67-70

(1957) (in Rumanian with French and Russian surraries)

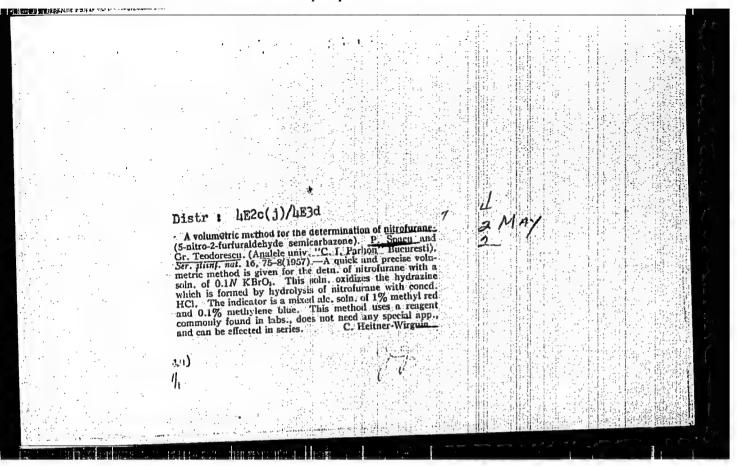
Abstract: Conditions have been established for the determination

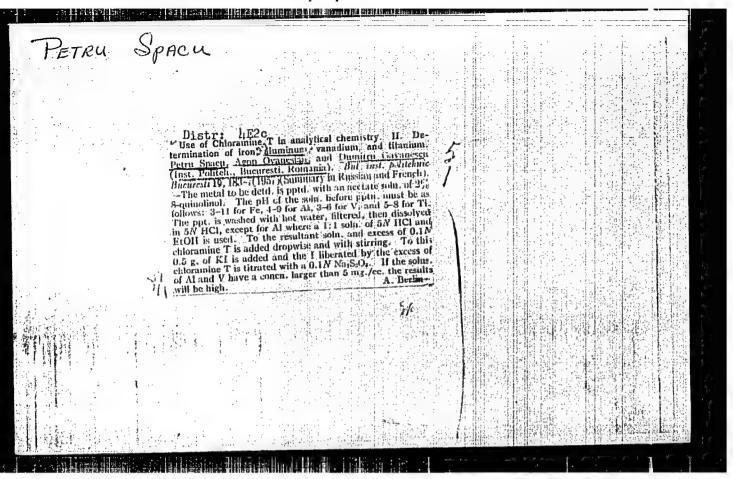
of quinine and cinchorine in the form of 2/Cr(NH3)2

(SCN) We alkaloid complexes by precipitation from strongly acid Reinecke salt solutions. The bibliography

lists 26 titles. -- ... Vavilova.

Card : 1/1





HUMANIA/Inorganic Chemistry. Complex Compounds

Abs Jour: Ref Zhur - Khimiya, No 3, 1958, No 7384

Author: G. Spacu, P. Spacu, G. Gheorghiu
Inst: Not Given
Title: On the Study of the Complex Compounds of Thio-Molybdates
and Thio-Tungstates.

Orig Pub: Studii si. cercetari chim., 1957, 5, No 1, 169-188

Abstract: Following complex compounds are synthesized: (MoS₄)X and
(WS₄)X (where X- is (Gr(NH3)6)NO₃ · I/2H₂O and (Gr(NH3)5C1));
(MoS₄)Z (Cr₄(OH)6 Eng.) SO₄; (MpS₄)Z (Cr₄(OH)6 Eng.) Cl₂;
(MoS₄)Z (Cr₄(OH)6 Eng.) SO₄; (MS₄)3; (Gr(NH3)6)Z; (MS₄) · (Gr(NH3)5C1);
(WS₄) (Gr(NH3)5Br); (WS₄)Z (Gr₄(OH)6 Eng.)SO₄; (MoS₄)X
and (WS₄)X (where X is H₂ · 2(C₁3H₉N) H₂ (C₁G₁N₂N₂). H₂ ·
2(CH₂10N₁; H₂ · 2(C₁2H₉N₂ · H₂O), H₂ · 2(NH₂ · C₅H₁N) and
H₂ · (C₁H₁ON₂), (WS₄)H₂ · 2(CGH₅N) and (WS₄)H₂ · 2(NC₅H₆OH)
· H₂O.

Card: 1/1

Spacu, P.; Teodorescu, G.

A new volumetric method for the determination of the hydrazide of isonicotinic acid; Remifon.

P. h2 (REVISTA DE CHIMIE) (Bucuresti, Rumania) Vol. 7, No. 1, Jan. 1957

30: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

RUMANIA/Analytical Chemistry - Analysis of Organic Substances

E-3

Abs Jour : Ref Zhur - Khimiya, No 4, 1958, No 11079

: P. Spacu, Gr. Teodorescu Author

: Not stren dat, Inst Polytickine, Bucharist : New Volumetric Method of Determination of Isonicotinic Acid Tnst

Title Hydrazide

Orig Pub : Rev. chin., 1957, 8, No 1, 42-43

Abstract: The complex compound (C5H4NCONH-NH3). Cr(SCN) (NH3)2 / (III) is formed at the interaction of isonicotinic acid hydrazide (I) with Reineke's salt (II) in an acid medium. This compound is of lilac color, little soluble in water, better soluble in alcohol and ehter and very well soluble in acetone. III dissociates at heating. The determination of I is carried out in an indirect way by adding AgNO2 solution to III solution in acetone; the precipitated reinekate is separated and the excessive AgNO3 is titrated off with NHL+SCN solution. From 5 to 10 mlit of I solution (about 0.5%) is taken for analyzing, it is acidified with 3 drops of dilute H2SO4 and the volume is brought up to 20 nlit; 10 nlit of freshly pre-

: 1/2 Card

APPROVED FOR RELEASE: 08723/2000 Oregetia Represe 60513R661652620020-7"

Abs Jour : Ref Zhur - Khimiya, No 4, 1958, No 11079

pared 2%-unl II solution is added drop by drop and the formed precipitate of III is filtered, washed 3 or 4 times with o.1%-unl II solution, and twice with 0.5 mlit of water each time. The precipitate is dissolved on the filter is acctone, the received solution is transferred into a calibrated flask of 100 mlit capacity, 10 to 15 mlit of 0.1 n. AgNO3 solution and a few drops of weak HNO3 are added and the volume is brought up to the mark with water. After mixing the flask content is filtered through a dry filter into a dry flask and 25 to 50 mlit of the filtrate are titrated with 0.1 n. NHhSCN solution having added 2 mlit of (NHh)2Fe2(SO4)4 solution as an indicator.

SPACU, P.; ALBESCU, I.; GHEORCHIU, C.

On the quantitative determination of Pentasol. p. 565.

Academia Republicii Populare Romine. STUDII SI ŒRCETARI DE CEIMIE. Bucuresti, Rumania. Vol. 6, no. 4, 1958.

Monthly List of East European Accessions (EEAI) Vol. 8, no. 7, July 1959.

Uncl.

SPACU, P.; ANTONESCU, E.; GHEORGHIU, C.

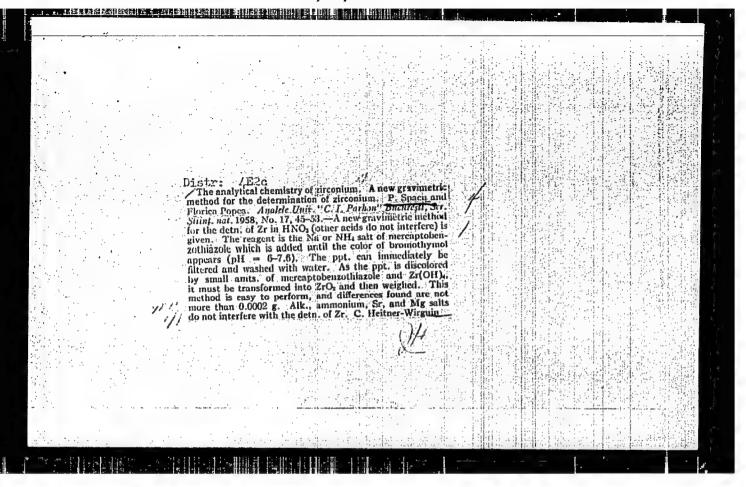
On the quantitative determination of Largactil. p. 573.

Academia Republicii Populare Romine. STUDII SI CERCETARI DE CHIMIE. Bucuresti, Rumania. Vol. 6, no. 4, 1958.

Monthly List of East European Accessions (EEAI) Vol. 8, no. 2, July 1959.

Uncl.

<u>ਚੋਚੈਓਜ਼ਟੋਨਟੋ</u> grenanus CATEGORY ABS. JOUR. : RZKhim., No. 21 74479 1959, 40. Space, P. and Gherghiu, C. AUTHOR IMBT. Rumanian Academy of Sciences TITLE Contributions to the Study of Thio Compounds. Complex Thiovanadates. ORIG. PUB. : Studii si Cercetari Cnim Acad RPR, 6, No 4, 619-633 (1958) ABSTRACT It has been established that (NH,), VS, is completely soluble in liquid NH, with the formation of amines at low temperatures. Aminothicvanadates of the type [Cr(NH,), X], (V&,), have been prepared, where X = Cl, Br, SCN, NO, , and Cr(NH,) -VS. Freshly prepared aqueous solutions of (NE,), VS, change their color with an accompanying change in pH from 7 to 3.8; the equilibrium (HH,), VS, + H, 0 ==== H[VS, H, 0] + (NH,), S is assumed to operate. The existence of H[VS, H2 0] has been proved. From authors summary CARD: 1/1



SPACU, P., and others.

New syntheses in the chemistry of complex compounds of trivalent cobalt obtained by use of hydrogen peroxide as an oxidizing agent. p. 43.

ANALELE SERIA STINTELOR NATURII. Bucuresti, Rumania. Vol. 7, no. 18, 1958.

Monthly List of East Buropean Accessions (EEAI), LC, Vol. 8, no. 9, Sept. 1959. Uncl.

C RUMANIA/Inorganic Chemistry - Complex Compounds. : Ref Zhur Khimiya, No 19, 1959, 67503 Abs Jour Spacu, Petru; Cheorghiu, Constanta; Brezeanu, Marieta; Author Popescu, Sanda : C.I. Parhon University Inst : New Syntheses of Complex Compounds of Trivalent Cabalt Using Hydrogen Peroxide as the Oxidizing Agent. Title : An Univ. "C.I. Parhon". Ser. stint. natur., 1958, No 19, Orig Pub No 43-53. : Using H202 as the oxidizing agent, [co(NH3)6] X3, Abstract where X = Cl, I; NO_3 ; $COEn_3$ $Cl_3 \cdot 3H_2O$; $CoPn_3$ $Y_3 \cdot Y_3 \cdot Y_3$.3H₂O, where Y = C1, I; $Co[NH_3]_4CO_3$. z where Card 1/2 - 48 -

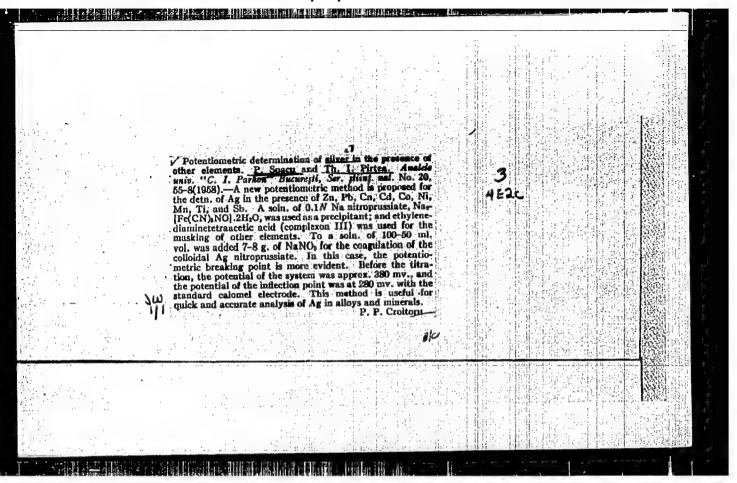
SPACU, P.; PIRTEA, TH.

A method of determining penicillin in finished products. p. 49.

ANALEL SERIA STINTELOR NATURII. Bucuresti, Rumania. Vol. 7, no. 20, 1958.

Monthly List of East European Accessions (EEAI), CL, Vol. 8, no. 9, Sept., 1959

Uncl.



E-3 Rumania COUNTRY CATEGORY No. 86296 1959. ABS. JOUR. : RZKhim., No. : Spacu, P.; Iancu, C. : "C. I. Parhon" University AUTHOR 1337. : Gravimetric Determination of Brucine and TITLE Strychnine. : An. Univ. "C.I. Parhon". Ser. stlint. natur., ORIG. PUB. 1958, No 20, 59-61: On interaction of brucine (I) or strychnine (II) with K3[Cr(SCN)6] (III) in a strongly acidic medium there are formed pale-violet precipitates insoluble in water, partially soluble in alcohol, and readily soluble in acetone. For determination of I and II, 0.01-0.05 g of material are dissolved in 25-35 ml water, 2-3 ml concentrated HCl are added to the solution, followed by an excess of freshly prepared 5% aqueous solution of III. After 5 minutes the recultant precipitate is filtered off washed with the resultant precipitate is filtered off, washed with water and dried at 100-102°. Conversion factor is 0.6990 for I, and 0.7130 for II. The error does not exceed 0.07%. GARD: 124

COUNTRY : Rumania E-3

CATAGORI . :

ABS. JOUR. : RZKhim., No. 1959, No. 86297

AUTHOR : INST. : TITLE :

ORIG. PUB.

ABSTRACT: followed by freshly-prepared 5% solution of K₃[Cr(SCN)₆] until complete precipitation is effected (until the solution turns violet). The precipitate is (until the solution turns violet). The precipitate is filtered off, washed with water (to remove Cl-), dissolved in 5-10 ml acetone, 15-20 ml 0.1 N solution of AgNO₃ are added to the acetone solution, the mixture is diluted with water, filtered, HNO₃ and NH₄Fe(SO₄)₂ are added to aliquot portion of filtrate, and titration with 0.1 N solution of NH₄SCN is carried out. -- B. Manole.

CARD: 2/2

125

RUMANIA / Analytical Chemistry. Inorganic Analysis. E

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001652620020-7"

Abs Jour : Ref Zhur - Khimiya, No 23, 1959, No. 61960

Author : Spacu, P.; Radulescu, Elena; Vasilescu, Claudia;

Balanel, Elena

Inst : Not given
Title : Separation and Determination of Manganese in

Ferromanganese

Orig Pub : An. Univ. "C. I. Parhon", Ser. stiint. natur.,

1958, No 20, 69-77

Abstract: Two methods were applied with improvements to the determination of Mn in ferromanganese under factory conditions: complexometric method (Pribil, R.; Horacek; Z. anal. Chem., 132, 140 (1951)) and ion-exchange method (RZ Khim, No 6, 1955, No. 9697). In the lst method the sample to be analyzed, containing 30-150 mg

Card 1/4

RUMANIA / Analytical Chemistry. Inorganic Analysis.

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E

Abs Jour : Ref Zhur - Khimiya, No 23, 1959, No. 81960

method the cation exchange resin Amberlite 1R-120 is used; 20% HCl solution (150 ml) is used for the elution of Mn. The resulting solution is neutralized with a concentrated NH40H solution, and Mn is determined by an indirect titration: an excess of 0.1 N solution of 1 [means (I)], 8-10 ml buffer solution (350 ml NH40H + 54 g NH4Cl) are added, and the excess of (I) is back-titrated with 0.1 N. ZnSO4 solution, using Eriochrome Black T as indicator. It was determined that the use of NaOH or KOH (instead of NH4OH) for the neutralization causes high results in the determination of Mn. This method is two times more accurate than the first one, but is more time-consuming; it is also necessary to separate

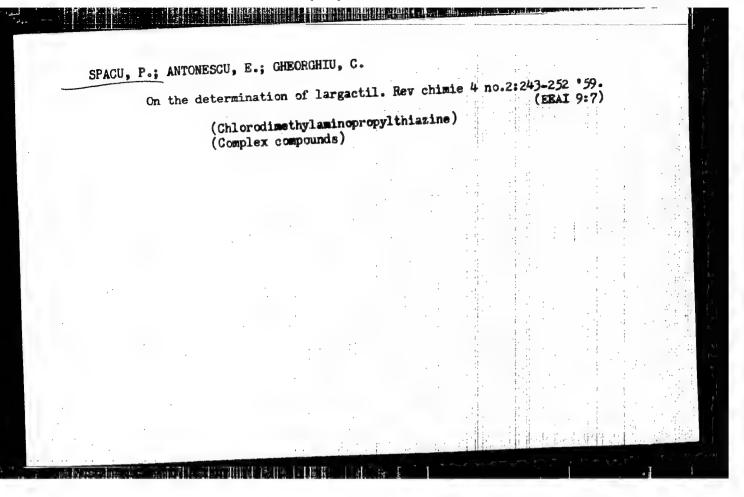
Card 3/4

PUMANIA / Analytical Chemistry. Inorganic Analysis. E

Abs Jour : Ref Zhur - Khimiya, No 23, 1959, No. 81960

SiO₂ previously. After the separation of Mn, Fe in the solution is determined by a titration with permanganate (after reducing Fe+3 to Fe+2 with electrolytic Cd). -- B. Manole

Card 4/4

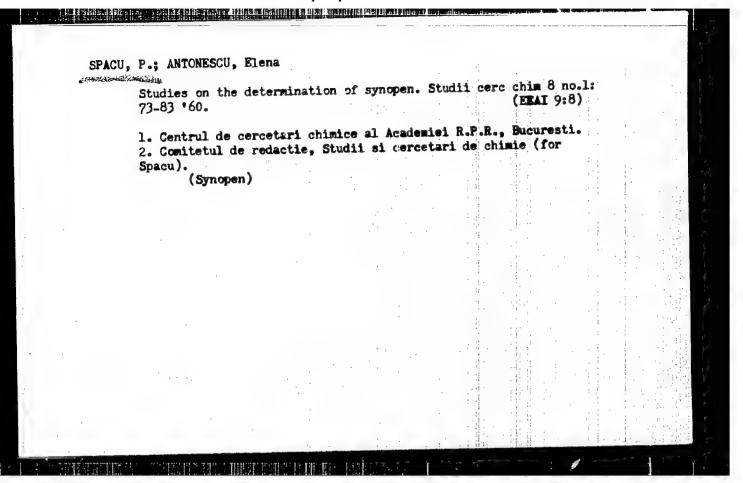


Complex compounds of chromium with norm. J. Scue).

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	P.; ANTONESCU, E.							
	A study on the determ	ination of l	Phenergan.	Rev chimie	5 no.2:243-250 (EBAI 10:4)			
	1. Centre of Chemical Bucharest.				?.P.R.,			
	(Dimethylamino	isopropylphe	enothiazine)					
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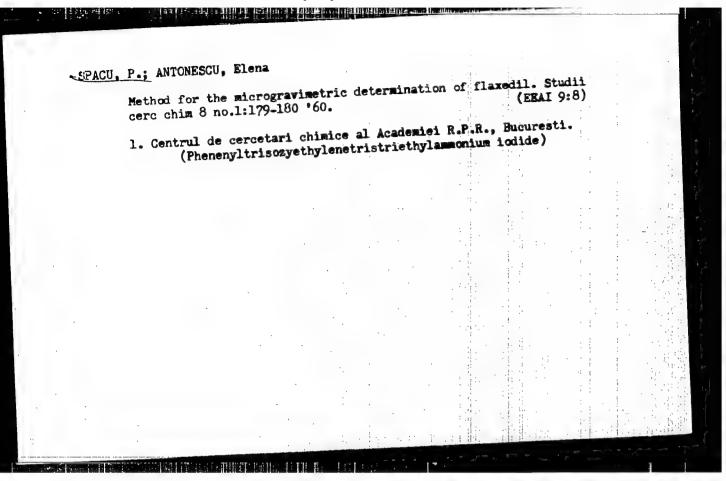


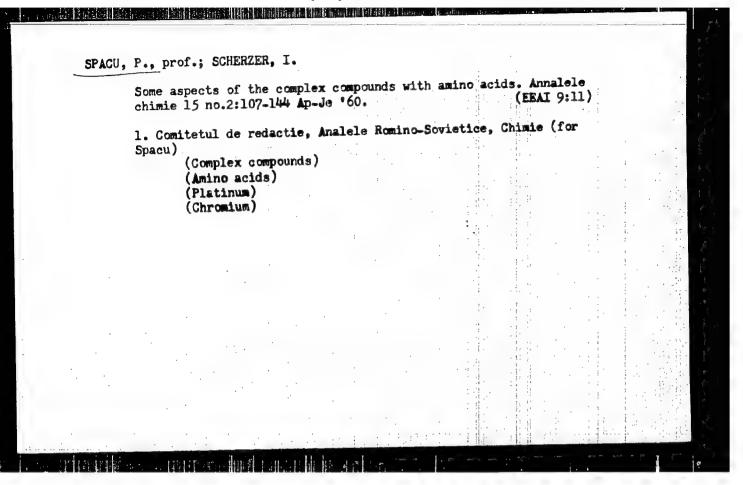
SPACU, P.; ALBESCU, I.

Studies on the determination of nickel. Studii cerc chim 8 no.1; 85-90 '60. (EEAI 9:8)

1. Centrul de cercetari chimice al Academiei R.F.R., Bucuresti. (Nickel) (Aluminum) (Zinc) (Iron) (Magnesium) (Paludrine) (Complex compounds)

91-96 *60. 1. Centrul de cercetari chimice al Academiei R.P.R., Bucuresti. (Complex compounds) (Paludrine)	1. Cent	rul de cercetari	chimice al Adis) (Paludri	cademiei R.P ine)			
l. Centrul de cercetari chimice al Academiei R.P.R., Bucuresti. (Complex compounds) (Paludrine)	1. Gent	rul de cercetari (Complex compound	chimice al Adis) (Paludri	ademiei R.P ine)	.R., Bucur	esti.	
(Complex compounts) (ratum ine)		(Complex compound	is) (raituur.		1. 1. 1	* * *	
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SPAKU, P. [Spacu, P.]; GEORGIU, K. [Gheorghiu, C.]; ZUBOV, L.

Chemistry of osmium. Rev chimie 6 no.2:323-341 [61.

1. Kafedra Deorganicheskoy khimii, Universitet ineni K. I. Parkhona [C.I.Parhon], Bukharest

Spectrophotometric determination of uranium. Studii cerc chim 9 no.1:139-147 '61. (ERAI 10:9)

1. Centrul de cercetari chimice al Academiei R.P.R., Ducuresti.
2. Comitetul de redactie, STUDII SI CERCETARI DE CHIMIE(for Spacu). (Spectrophotometry) (Uranium)

SPACU, Petru; BREZEANU, M.; KRIZA, A.

New syntheses in the chemistry of complex compounds. II.Complex compounds of cobalt(III) with dioxime. Studii cerc chim 9 no.1:149-158 (61.

1. Laboratorul de chimie anorganica al Universitatii *C. I. Parhon*, Bucuresti. 2. Comitetul de redactie, STUDII SI CERCETARI DE CHIMIE (for Spacu).

(Complex compounds) (Cobalt) (Oximes)

SPACU, Petre[Spacu, Petru]; GHEORGHIU, Constanta; ALBESCU, Ileana

New syntheses in the chemistry of complex compounds. III and IV, Complex compounds of cobalt(III) with paludrine. Studii cerc chim 9 no.1:159-178 '61. (KEAI 10:9)

1. Laboratorul de chimie anorganica, Centrul de cercetari chimice al Academiei R.P.R., Bucuresti. 2. Comitetul de redactie, STUDII SP CERCETARI DE CHIMIE (for Spacu).

(Complex compounds) (Cobalt) (Paludrine)

SPAGU, P.; ALBESCU, I.

New syntheses in the chemistry of complex compounds. V.Complex compounds of nickel with paludrine. Studii cerc chim 9 no.1:179-186 (EEAI 10:9)

1. Laboratorul de chimie anorganica, Centrul de cercetari chimice al Academiei R.P.R., Bucuresti. 2. Comitetul de redactie, STUDII SI CERCETARI DE CHIMIE (for Spacu).

(Complex compounds) (Nickel) (Pauldrine)

SPACU. P.: BREZEANU, M.

Study of lead complex thiosulfates. Studii cerc chim 9 no.1:137-196 (EEAI 10:9)

1. Laboratorul de chimie anorganica al Universitatii "C. I. Parhon", Bucuresti. 2. Comitetul de redacte, STUDII SI CERCETARI DE CHIMIE (for Spacu).

(Lead) (Thiosulfates)

SPACU, Petru; POPESCU, Sanda

Study of the complex metallogyrocatechine. Note II. Complex pyrocatechins of Cr(III), Mn(III), and Cu(II). Studii cere chim 9 no.2: 367-395 '61.

1. Latoratorul de chimie anorganica, Facultatea de chimoe, Bucuresti. 2. Membru al Comitetului de redactie, "Studii si cercetari de chimie (for Spacu).

(Complex compounds) (Fyrocatechol) (Chromium)

(Manganese) (Copper)

SPACU, P.; CHEORCHIU, C.; ZUBOV, L.

Chemistry of osmium. Studii cerc chim 9 no.3:493-511 '61.

1. Catedra de chimie anorganica, Universitatea "C. I. Parhon", Bucuresti.
2. Membru al Comitatului de redactie "Studii si cercetari de chimie"

(for Spacu).

SPACU, P.; BREZEANU, M.

Conductometric study of the complex lead thiosulfates. Studii cerc chim 9 no.4:615-619 '61.

1. Universitatea "C.I.Parhon", Facultatea de chimie, Laboratorul de dhimie anorganica, Bucuresti. 2. Membru al Comitetului de redactie, "Studii di cercetari de chimie" (for Spacu).